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APPLICATION NO.	F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/883,082	06/15/2001		Jose Joaquin Garcia-Luna-Aceves	UC00-350-2US	8652
8156	7590	03/29/2005		EXAMINER	
JOHN P. O				PIZARRO, RICARDO M	
O'BANION 400 CAPIT(HEY LLP L SUITE 1550		ART UNIT	PAPER NUMBER
SACRAME	SACRAMENTO, CA 95814				
				DATE MAILED: 03/29/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	09/883,082	GARCIA-LUNA-ACEVES ET AL.					
Office Action Summary	Examiner	Art Unit					
·							
The MAILING DATE of this communication app	Ricardo Pizarro	2661					
Period for Reply	rears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of the period of th	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on 15 Ju	une 2001.						
	action is non-final.						
· -	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	,						
_							
	Claim(s) <u>1-20</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
<u> </u>	Claim(s) is/are allowed.						
	Claim(s) is/are rejected.						
	Claim(s) <u>1-20</u> is/are objected to. Claim(s) are subject to restriction and/or election requirement.						
	r election requirement.						
Application Papers							
9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on 15 June 2001 is/are: a	☑ The drawing(s) filed on <u>15 June 2001</u> is/are: a)☑ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document * See the attached detailed Office action for a list 	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	atent Application (PTO-152)					

DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters:

For better reading of the claims, it is suggested to applicant:

In claim 1 line 3 replace "the next hop" with –a next hop-, in line 4 insert "said" before -neighbor- and before –destination-.

In claim 5 line 3 replace "the next hop" with -a next hop-.

In claim 8 line 3 replace "the next hop" with -a next hop-.

In claim 11 line 3 replace "the next hop" with –a next hop-, in line 4 replace "the path " with –a path -

In claim 14 line 3 replace "the next hop" with – a next hop-, in line 4 replace "the path " with – a path-.

In claim 16 line 3 replace "the next hop" with –a next hop-, in line 4 replace "the path" with – a path-.

In claim 18 line 3 replace "the next hop" with – a next hop-, in line 4 replace "the path" with –a path-.

In claim 20 replace "the next hop" with – a next hop-, in line 4 replace "the path" with –a path-.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

Application/Control Number: 09/883,082

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A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Allowable Subject Matter

2. Claims 1-20 are allowed.

Examiner's statement of reasons for Allowance

3. The following is an examiner's statement of reasons for allowance: For claims 1, 5, 8 and 14 no prior art of record was found for a method for routing data packets in a wireless network at a node j comprising selecting a neighbor p as the next hop in a route from node i to destination j if, the path from said neighbor p to destination j does not include node i and does not repeat any node, and D'yp < D'yx wherein D'yp is the distance value of the route from node j to node y through neighbor p and D'yx is the distance value of the route from node i to node y through neighbor x

For claims 11, 16 and 18 no prior art of record was found for a method for routing packets in a wireless network at a node I comprising selecting a neighbor p as the next hop in a route from node I to destination j if the path from neighbor p to destination j does not include node I and does not repeat any node, D'yp < D'yx wherein D'yp is the distance value of the route from node j to node y through neighbor p and D'yx is the distance value of the route from node i to node y through neighbor x. , sending a unicast routing update from a node to a neighbor if the neighbor is upstream form the destination.

Art Unit: 2661

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US patent No. 6,836,463 (Garcia-Luna-Aceves) discloses a system for communication labeled routing trees to establish preferred paths and source routes, wherein the a path from node c to node f, does not include d (fig. 2c).

US patent No. 6,816,460 (Ahmed) discloses location based routing, wherein Dyp<Dyx for any other neighbor x and for all nodes y in the path from destination to neighbor (col 5 lines 14-19)

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306

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(for formal communications intended for entry, for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to 220 South 20th Street, Crystal Plaza Two, Lobby, Room 1B03, Arlington, Va 22202 (Customer Window).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Ricardo Pizarro** whose telephone number is (571) 272-3077. The examiner can normally be reached on Monday-Friday from 9:00 AM to 5:30 PM. The fax number for this Group is (703) 872-9306.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Chau Nguyen** can be reached on (571) 272-3126.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

12 March 2005

Ricardo M. Pizarro

CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

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